

SUPPLEMENTAL TABLE S6. Proteins involved in cytoskeleton integrity, intracellular motility, protein folding in the cytoplasm, polarized growth, and cytokinesis. Bold characters: higher sequence similarity to mammalian proteins.

<i>A. niger</i>	<i>S. cerevisiae</i>	% Identity (E-value)	<i>H. sapiens</i>	% Identity (E-value)	Description	NSAF.10 ⁴	
						Sorbitol	Xylose
An07g10420	Cdc50	67 (3e-97)	TMEM30B	50 (1e-47)	Endosomal protein: actin patch	2.9	4.7
An17g01945	Rvs161	73 (1e-84)	(AMPH)	46 (3e-18)	Amphiphysin protein: actin polarization	7.5	3.8
An14g04160	Cof1	61 (5e-26)	CFL1	51 (6e-12)	Cofilin: actin filament depolarization	5.9	2.9
An11g10320	Sla2	71 (5e-88)	(HIP1R)	45 (6e-68)	Actin linking to clathrin	1.2	2.2
202202	Sac6	80 (0.0)	PLS3	60 (2e-126)	Actin-bundling protein	14.3	5.5
An18g03200	Arp3	81 (0.0)	ACTR3	71 (2e-142)	Arp2/3 complex	4.4	3.9
An08g06400	Arp2	86 (9e-151)	ACTR2	82 (1e-136)	Arp2/3 complex	1.1	2.4
An01g05510	Arc35	60 (5e-59)	ARPC2	64 (1e-74)	Structural, ARP2/3 complex	5.3	5.9
An16g01570	Arc18	63 (6e-45)	ARPC3	60 (1e-39)	Structural, ARP2/3 complex	6.2	6.2
An04g01830	(Mdm20)	43 (2e-06)	(C12orf30)	38 (8e-21)	N-terminal acetyltransferase	1.2	2.4
An02g02230	Lsb6	52 (2e-94)	PI4K2B	54 (2e-70)	PtdIns 4-kinase: actin polymerization	1.6	5
An15g00560	Act1	97 (0.0)	ACTG1	96 (0.0)	Actin ActA: cell polarity	53.8	42.1
An07g01640	Mlc1	59 (3e-23)	CALML3	63 (5e-28)	Myosin light chain	10	3.2
An17g02290	Myo2	64 (0.0)	MYO5A	61 (0.0)	Myosin motor	0.4	0.5
An08g06130	Gpa2	63 (2e-80)	GNAI1	70 (5e-113)	FadA: proliferation	1.1	4.3
An01g09520	Slt2	81 (6e-152)	MAPK7	63 (2e-93)	MAP kinase: polarized growth	4	2.8
An18g06270	Bmh2	85 (7e-102)	YWHAE	84 (3e-101)	Similar to ArtA: exocytosis	30.1	28.8
An07g07760	Bmh1	82 (3e-109)	YWHAE	89 (2e-106)	Similar to ArtA: exocytosis	30.5	29.5
An06g01200	Emp70	61 (6E-157)	TM9SF2	60 (3e-141)	Endosomal: filamentous growth	0.6	2.7
An18g06050	Yck2	81 (7e-137)	CSNK1G2	70 (9e-108)	Ser/Thr kinase: septin assembly	2.1	2.4
An08g00310	Cdc10	79 (1e-108)	SEPT9	73 (8e-93)	Septin family protein AspD	7.1	9.1
An07g05110	Cdc11	65 (1e-99)	SEPT7	63 (6e-69)	Septin ring protein AspA	4.5	7.9
An09g05260	Cdc12	72 (1e-120)	SEPT7	58 (2e-77)	Septin ring protein	3.1	4
An02g07690	Bim1	55 (4e-51)	MAPRE1	57 (3e-46)	Structural: cortical microtubule capture	10.1	7.7
An08g10490	Stu2	45 (8e-62)	CKAP5	54 (8e-83)	Structural: microtule dynamics	0.4	0.9
An01g05650	Tub3	86 (0.0)	TUBA1C	89 (0.0)	α-tubulin TubA	18.9	15.5
An08g03190	Tub2	90 (0.0)	TUBB2B	94 (0.0)	β-tubulin TubB	34.1	29.3
An01g06480	Cct2	86 (0.0)	CCT2	82 (0.0)	Cct ring complex subunit β	1.2	1.2
An02g12750	Cct4	83 (0.0)	CCT4	83 (0.0)	Cct ring complex subunit δ	2.2	1.2
An18g05770	Cct7	79 (0.0)	CCT7	77 (0.0)	Cct ring complex subunit η	0.2	1
An09g06590	Hsc82	87 (0.0)	HSP90AA1	80 (0.0)	Hsp90 chaperone SspB	46.9	38.7
An08g05300	Sse2	68 (0.0)	HSPA4	59 (2e-158)	Hsp90 chaperone complex	6.4	12.3
An07g09990	Ssa4	90 (0.0)	HSPA8	89 (0.0)	Hsp70 protein: SRP-dependent targeting	72.5	40.1
An16g09260	Ssb2	89 (0.0)	HSPA2	74 (0.0)	Hsp70 protein HscA	11.2	11.3
An04g05270	Aha1	56 (2e-63)	AHSA1	48 (3e-43)	Co-chaperone: activator of Hsp82	8.4	4.7
An12g00790	Sti1	67 (2e-163)	STIP1	57 (3e-109)	Hsp90 co-chaperone	2.3	1.9
An14g01560	Zuo1	63 (1e-79)	DNAJC2	60 (1e-61)	DnaJ protein	1.5	3.8
An07g08300	Cpr1	71 (7e-52)	PPIA	70 (5e-53)	PPIase cyclophilin CypA	65.1	32.7
An07g05920	Cpr6	59 (2e-80)	PPID	62 (5e-89)	PPIase cyclophilin CypD	6.6	3.6
An08g01640	Sgt2	55 (6e-48)	SGTA	49 (8e-32)	TTC protein	2.7	0.8
An07g04570	(Hyp2)	51 (8e-11)	(EIF5A2)	53 (3e-08)	HexA protein: Woronin body	50	28
An13g01220	Ynl320w	49 (4e-30)	ABHD13	53 (4e-29)	Suppressor of Bud 5	6.7	5.9